

[illegible]

# TRANSMITTAL FORM



Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket  
Number:

201-  
0789

Submission Type: Utility Patent  
Filing

## VARIABLE EFFECTIVE COMPRESSION RATIO USING VVT

First Named Inventor: Patrick Joseph Philips

### SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Sheri Lynn Charles Electronic  
Application Specialist

Electronic Signature Mark: /slc

Date Signed: 20021024

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

declaration	declaration1of2.tif
declaration	declaration2of2.tif
declaration	ids1of2.tif
declaration	ids2of2.tif



$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}, \quad \frac{d}{dt} \left( \frac{\partial L}{\partial \dot{y}} \right) = \frac{\partial L}{\partial y}$$

**Comments:**

If insufficient funds in deposit account 06-1510, please charge deposit account 06-1505. Certified copy of priority application and IDS to be sent via US mail.

<b>DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION</b>					<b>Attorney's Docket No.</b> 201-0789												
<p>As a below named inventor, I hereby declare:          My residence, post office address and citizenship are as stated below next to my name;</p> <p>I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled</p> <p><b>VARIABLE EFFECTIVE COMPRESSION RATIO USING VVT</b></p> <p>the specification of which is attached hereto.</p> <p>I have reviewed and understand the contents of the specification identified above, including the claims.</p> <p>I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America, prior to this application by me or my legal representatives or assigns,</p> <p style="margin-left: 40px;"> <input type="checkbox"/> no such applications have been filed, or  <input checked="" type="checkbox"/> such applications have been filed as follows:  <input type="checkbox"/> I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below         </p>																	
<b>COUNTRY</b>	<b>APPLICATION NO.</b>	<b>DATE OF FILING</b> (month, day, year)	<b>DATE OF ISSUE</b> (month, day, year)	<b>PRIORITY CLAIMED UNDER 35 USC 119</b>	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.												
EP	01125281.4	10/25/2001		YES													
<p>I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> </tr> <tr> <td style="text-align: center; font-size: small;">(Application Number)</td> <td style="text-align: center; font-size: small;">(Filing Date)</td> <td style="text-align: center; font-size: small;">(Status - patented, pending, abandoned)</td> </tr> <tr> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="text-align: center; font-size: small;">(Application Number)</td> <td style="text-align: center; font-size: small;">(Filing Date)</td> <td style="text-align: center; font-size: small;">(Status - patented, pending, abandoned)</td> </tr> </table> <p><b>POWER OF ATTORNEY:</b> - I/we hereby appoint Practitioners at Customer No. 022844, as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office and all foreign Patent Offices.</p>									(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)				(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)															
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)															

Attorney Docket No: 201-0789      Please call 313-322-7725 if this paper becomes separated from the file.

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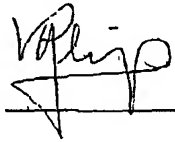
FORD RESEARCH AND VEHICLE TECH.

NR.210 S.3/4

**Address all correspondence and telephone calls to: Customer No. 022844**

Diana D. Brehob  
Ford Global Technologies, Inc.  
One Parklane Boulevard  
600 East Parklane Towers  
Dearborn, Michigan 48126 Telephone: 313-322-1879

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine, imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE	DATE
Patrick Joseph Philips Vogelsanger Weg 12 50858 Koeln DE	50858 Koeln DE	Belgium		24.10. 2002

Attorney Docket No: 201-0789

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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number To be assigned

Filing Date Herewith

Applicants Philips

Group Art Unit

Examiner Name

Attorney Docket Number 201-0789

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. <sup>1</sup>	DOCUMENT NUMBER	Kind Code <sup>2</sup> (if known)	NAME	DATE MM-DD-YY	Pages, Columns, Lin Where Relevant Passages c Figures Appear
		5,178,105		Norris	01-12-93	
		5,592,906		Kreuter et al.	01-14-97	
		6,209,516 B1		Yamashita	04-03-01	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. <sup>1</sup>	Foreign Patent Document			NAME	DATE MM-DD-YY	Pages, Columns, Lines, Where Relevant Passages o Relevant Figures Appear
		Office <sup>2</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		GB	170855		Caprotti	07-20-22	
		EP	0472430 B1		Norris	02-16-94	
		DE	4322480 A1			01-12-95	

EXAMINER

DATE CONSIDERED

\*Examiner Initial if citation considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and not c  
Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached <sup>3</sup>Enter Office that issued the  
document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must pr  
serial number of the patent document <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if poss

<sup>6</sup>Applicant is to place a check mark here if English language Translation is attached





Patent Application

PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D. C. 20231

Case Docket No. 201-0789

Date: 10-24-02

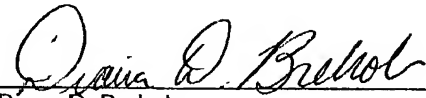
Sir:

Inventor(s):  
Patrick Philips

For: **VARIABLE EFFECTIVE COMPRESSION RATIO USING VVT**

The attorney or agent below has reviewed this application and its attachments and consents to electronic filing by the assignee.

Respectfully submitted:



Diana D. Brehob  
Attorney or Agent of Record  
Registration No. 51,496  
Ford Global Technologies, Inc.  
One Parklane Blvd.,  
600 Parklane Towers East  
Dearborn, MI 48126  
Telephone: 313-322-1879

Customer No. 022844

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 820**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510

Deposit Account Name: Ford Global Technologies, Inc.



Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

## SUBMITTED BY

Authorized Name: Sheri L. Charles

Electronic Signature Mark: /slc

Date Signed: 20021024

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	1001	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 16	1202	\$ 18	0	\$ 0
Independent Claims: 2	1201	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	000000000	1	8021	\$ 40	\$ 40
Recording Each Patent Assignment Per Property Fee	000000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 80